



SHEET 1 OF 7

FORM PTO-1449  
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO: PAIGE=1D

SERIAL NO:  
09/429,331LIST OF DOCUMENTS CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT: PAIGE, et al.

FILING DATE: October 28, 1999

GROUP: 1627

## U.S. PATENT DOCUMENTS (include at least patentee, patent number and issue date)

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROP.
thw	AA	4	6	6	4	9	8	9	12MAY1987	JOHNSON	—	—	
	AB	5	0	7	1	7	7	3	10DEC1991	EVANS, et al			
	AC	5	1	9	8	3	4	6	30MAR1993	LADNER, et al.			
	AD	5	2	1	7	8	6	7	08JUN1993	EVANS, et al.			
	AE	5	2	2	3	4	0	9	29JUN1993	LADNER, et al.			
	AF	5	2	9	8	4	2	9	29MAR1994	EVANS, et al.			
	AG	5	4	4	5	9	4	1	29AUG1995	YANG			
	AH	5	5	0	6	3	3	7	09APR1996	SUMMERTON, et al.			
	AI	5	5	4	5	5	6	8	13AUG1996	ELLMAN			
	AJ	5	5	8	7	2	9	3	24DEC1996	KAUVAR, et al.			
	AK	5	5	9	5	8	7	7	21JAN1997	GOLD, et al.			
	AL	5	7	0	7	8	0	3	13JAN1998	LAMB, et al.			
	AM	5	7	2	3	2	9	1	03MAR1998	KUSHNER, et al.			
	AN	5	7	8	9	1	8	4	04AUG1998	FOWLKES, et al.			
	AO	5	8	1	4	5	1	7	29SEP1998	SEIDEL, et al.			
✓	AP	5	8	8	2	9	4	4	16MAR1999	SADEE	✓	✓	

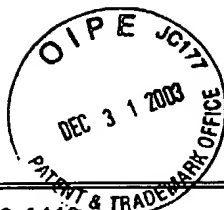
## FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO
thw	AQ	9	8	3	4	1	2	0	06AUG1998	WIPO	—	—	YES
	AR	9	8	3	4	9	4	8	12AUG1998	WIPO			YES
	AS	9	8	4	4	3	5	0	08OCT1998	WIPO			YES
	AT	0	0	2	2	1	1	2	20APR2000	WIPO			YES
✓	AU	0	0	2	3	4	6	5	27APR2000	WIPO	✓	✓	YES

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SHEET 2 OF 2

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		FILING DATE: October 28, 1999	GROUP: 1627
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)			
AV	ALFANO, et al., <u>Time-Resolved and Nonlinear Optical Imaging for Medical Applications</u> , ANN. N.Y. ACAD. SCI., vol. 838, pgs. 14-27, 1998.		
AW	ALLEN, et al., <u>Finding prospective partners in the library: the two-hybrid system and phage display find a match</u> , TIBS, vol. 20, pgs. 511-516, (1995).		
AX	ANZICK, et al., <u>Alb1, a Steroid Receptor Coactivator Amplified in Breast and Ovarian Cancer</u> , SCIENCE, vol. 277, pgs. 965-968, August 15, 1997.		
AY	ARKINSTALL, et al., <u>Mapping regions of G<sub>α</sub> interacting with PLCβ1 using multiple overlapping synthetic peptides</u> , FEBS LETTERS, vol. 364, pgs. 45-50, 1995.		
AZ	BEEKMAN, et al., <u>Transcriptional Activation by the Estrogen Receptor Requires a Conformational change in the ligand Binding Domain</u> , MOLECULAR ENDOCRINOLOGY, vol. 7, no. 10, pgs. 1266-1274, 1993.		
BA	BENDIXEN, et al., <u>A yeast mating-selection scheme for detection of protein - protein interactions</u> , NUCLEIC ACIDS RESEARCH, vol. 22, no. 9, pgs. 1778-1779, 1994.		
BB	BRENT, et al., <u>Understanding Gene and Allele Function with Two-Hybrid Methods</u> , ANNU. REV. GENET., vol. 31, pgs. 663-704, 1997.		
BC	BROACH, et al., <u>High-throughput screening for drug discovery</u> , NATURE, vol. 384, pgs. 14-16, November 7, 1996.		
BD	BRZOZOWSKI, et al., <u>Molecular basis of agonism and antagonism in the oestrogen receptor</u> , NATURE, vol. 389, pgs. 753-758, October 16, 1997.		
BE	BUNIN, et al., <u>Synthesis and Evaluation of 1,4-Benzodiazepine Libraries</u> , METHODS IN ENZYMOLOGY, vol. 267, pgs. 448-465, 1996.		
BF	BUNIN, et al., <u>The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library</u> , PROC. NATL. ACAD. SCI. USA, vol. 91, pgs. 4708-4712, May 1994.		
BG	CHAHDI, et al., <u>Drugs interacting with G protein α subunits: selectivity and perspectives</u> , FUNDAM CLIN PHARMACOL., vol. 12, pgs. 121-132, 1998.		
BH	CHAMBRAUD, et al., <u>Several Regions of Human Estrogen Receptor are Involved in the Formation of Receptor-Heat Shock Protein 90 Complexes</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 265, no. 33, pgs. 20686-20691, November 25, 1990.		
BI	CHANG, et al., <u>Dissection of the LXXLL Nuclear Receptor-Coactivator Interaction Motif Using Combinatorial Peptide Libraries: Discovery of Peptide Antagonists of Estrogen Receptors α and β</u> , MOLECULAR AND CELLULAR BIOLOGY, vol. 19, no. 12, pgs. 8226-8239, December 1999.		
BJ	CHEN, et al., <u>Analogous Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis</u> , J. AM. CHEM. SOC., vol. 116, pgs. 2661-2662, 1994.		
BK	COHEN, et al., <u>An artificial cell-cycle inhibitor isolated from a combinatorial library</u> , PROC. NATL. ACAD. SCI. USA, vol. 95, pgs. 14272-14277, November 1998.		
BL	COLAS, et al., <u>Genetic selection of peptide aptamers that recognize and inhibit cyclin-dependent kinase 2</u> , NATURE, vol. 380, pgs. 548-550, April 11, 1996.		
BM	CONKLIN, et al., <u>Substitution of three amino acids switches receptor specificity of G<sub>α</sub> to that of G<sub>β</sub></u> , NATURE, vol. 363, pgs. 274-276, May 20, 1993.		
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FILING DATE: October 18, 1999

GROUP: 162<sup>37</sup>

OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)

tdw	BN	CUMMINS, et al., <u>Molecular Diversity in Chemical Databases: Comparison of Medicinal Chemistry Knowledge Bases and Databases of Commercially Available Compounds</u> , J. CHEM. INF. COMPUT. SCI., vol. 36, pgs. 750-763, 1996.
tdw	BO	DEWITT, et al., <u>"Diversomers": An approach to nonpeptide, nonoligomeric chemical diversity</u> , PROC. NATL. ACAD. SCI. USA, vol. 90, pgs. 6909-6913, August 1993.
Not on file	BP	DMITROVA, et al., <u>A new LexA-based genetic system for monitoring and analyzing protein heterodimerization in Escherichia coli</u> , MOL. GEN GENET, vol. 257, pgs. 205-212, 1998.
tdw	BQ	ESTOJAK, et al., <u>Correlation of Two-Hybrid Affinity Data with In Vitro Measurements</u> , MOLECULAR AND CELLULAR BIOLOGY, vol. 15, no. 10, pgs. 5820-5829, October 1995.
	BR	FONG, et al., <u>Selective Activation of a Chimeric G<sub>i</sub>/G<sub>o</sub> G Protein <math>\alpha</math> Subunit by the Human IP Prostanoid Receptor: Analysis Using Agonist Stimulation of High Affinity GTPase Activity and [35S]Guanosine-5'-O-(3-thio)triphosphate Binding</u> , MOLECULAR PHARMACOLOGY, vol. 54, pgs. 249-257, 1998.
	BS	FROMONT-RACINE, et al., <u>Toward a Functional analysis of the yeast genome through exhaustive two-hybrid screens</u> , NATURE GENETICS, vol. 16, pgs. 277-281, July 16, 1997.
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	BU	GALLO, et al., <u>Antagonistic and Aqonistic Effects of Tamoxifen: Significance in Human Cancer</u> , SEMINARS IN ONCOLOGY, vol. 24, no. 1, suppl. 1, pgs. SI-71 - SI-80, February 1997. Missing page SI-79.
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	BW	GUDERMANN, et al., <u>Functional and Structural Complexity of Signal Transduction Via G-Protein-Coupled Receptors</u> , ANNU. REV. NEUROSCI., vol. 20, pgs. 399-427, 1997.
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	BY	GUDERMANN, et al., <u>Diversity and Selectivity of Receptor-G Protein Interaction</u> , ANNU. REV. PHARMACOL. TOXICOL. vol. 36, pgs. 420-459, 1996.
	BZ	HEERY, et al., <u>A signature motif in transcriptional co-activators mediates binding to nuclear receptors</u> , NATURE, vol. 387, pgs. 733-736, June 12, 1997.
	CA	HIMMLER, et al., <u>Functional Testing of Human Dopamine D<sub>1</sub> and D<sub>2</sub> Receptors Expressed in Stable cAMP-Responsive Luciferase Reporter Cell Lines</u> , JOURNAL OF RECEPTOR RESEARCH, vol. 13(1-4), pgs. 79-94, 1993.
	CB	HOWELL, et al., <u>Antiestrogens: Future Prospects</u> , ONCOLOGY, vol. 11, no. 2, supplement no. 1, pgs. 59-64, February 1997.
✓	CC	KALKBRENNER, et al., <u>Specificity of interaction between receptor and G protein: use of antisense techniques to relate G-protein subunits to function</u> , BIOCHIMICA ET BIOPHYSICA ACTA., vol. 1314, pgs. 125-139, 1996.

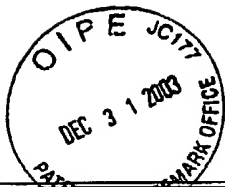
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OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)

CD	KARIMOVA, et al., <u>A bacterial two-hybrid system based on a reconstituted signal transduction pathway</u> , PROC. NATL. ACAD. SCI. USA, vol. 95, pgs. 5752-5756, May 1998.
CE	KATZENELLENBOGEN, et al., <u>Antiestrogens: Mechanisms of action and resistance in breast cancer</u> , BREAST CANCER RESEARCH AND TREATMENT, vol. 44, pgs. 23-38, 1997.
CF	KAUVAR, et al., <u>Predicting ligand binding to proteins by affinity fingerprinting</u> , CHEMISTRY & BIOLOGY, vol. 2, pgs. 107-118, February 1995.
CG	KLEBE, et al., <u>On the Prediction of Binding Properties of Drug Molecules by Comparative Molecular Field Analysis</u> , J. MED. CHEM., vol. 36, pgs. 70-80, 1993.
CH	KLUG, et al., <u>All you wanted to know about SELEX</u> , MOLECULAR BIOLOGY REPORTS, vol. 20, pgs. 97-107, 1994.
CI	KOLONIN, et al., <u>Targeting cyclin-dependent kinases in Drosophila with peptide aptamers</u> , PROC. NATL. ACAD. SCI. USA, vol. 95, pgs. 14266-14271, November 1998.
CJ	KRAUS, et al., <u>Ligand-dependent, transcriptionally productive association of the amino- and carboxyl-terminal regions of a steroid hormone nuclear receptor</u> , PROC. NATL. ACAD. SCI. USA, vol. 92, pgs. 12314-12318, December 1995.
CK	KUIPER, et al., <u>The novel estrogen receptor-<math>\beta</math> subtype: potential role in the cell- and promoter-specific actions of estrogen and anti-estrogens</u> , FEBS LETTERS, vol. 410, pgs. 87-90, 1997.
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CM	LAVINSKY, et al., <u>Diverse signaling pathways modulate nuclear receptor recruitment of N-CoR and SMRT complexes</u> , PROC. NATL. ACAD. SCI. USA, vol. 95, pgs. 2920-2925, March 1998.
CN	LECRENIER, et al., <u>Two-hybrid systematic screening of the yeast proteome</u> , BIOESSAYS, vol. 20, pgs. 1-5, 1998.
CO	LUNDBLAD, et al., <u>Fluorescence Polarization Analysis of Protein-DNA and Protein-Protein Interactions</u> , MOLECULAR ENDOCRINOLOGY, vol. 10, no. 6, pgs. 607-612, 1996.
CP	MACGREGOR, et al., <u>Basic Guide to the Mechanisms of Antiestrogen Action</u> , PHARMACOLOGICAL REVIEWS, vol. 50, no. 2, pgs. 151-158, 1998. Missing pages after 158.
CQ	MARTIN, et al., <u>Potent Peptide Analogues of a G protein Receptor-Binding Region Obtained with a Combinatorial Library</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 1, pgs. 361-366, January 5, 1996.
CR	MATTER, Hans, <u>Selecting Optimally Diverse Compounds from Structure Databases: A Validation Study of Two-Dimensional and Three-Dimensional Molecular Descriptors</u> , J. MED. CHEM., vol. 40, pgs. 1219-1229, 1997.
CS	MCDONNELL, et al., <u>Development of Tissue-Selective Estrogen Receptor Modulators</u> , ERNST SCHERING RESEARCH FOUNDATION, Workshop 16, ORGAN-SELECTIVE ACTIONS OF STEROID HORMONES, pgs. 1-28.

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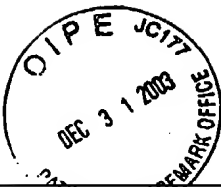
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)

THW	CT	MCDONNELL, D.P., <u>Definition of the molecular mechanism of action of tissue-selective oestrogen-receptor modulators</u> , BIOCHEMICAL SOCIETY TRANSACTIONS, vol. 26, pgs. 54-60, 1998.
	CU	MCDONNELL, et al., <u>Definition of the cellular mechanisms which distinguish between hormone and antihormone activated steroid receptors</u> , CANCER BIOLOGY, vol. 5, pgs. 327-336, 1994.
	CV	MCDONNELL, et al., <u>In Situ Distinction between Steroid Receptor Binding and Transactivation at a Target Gene</u> , MOLECULAR AND CELLULAR BIOLOGY, vol. 11, no. 9, pgs. 4350-4355, September 1991.
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	CX	MILLAR, et al., <u>Time-resolved fluorescence spectroscopy</u> , CURRENT OPINION IN STRUCTURAL BIOLOGY, vol. 6, pgs. 637-642, 1996.
	CY	MILLIGAN, et al., <u>Chimaeric G<math>\alpha</math> proteins: their potential use in drug discovery</u> , TRENDS PHARMACOL. SCI, vol. 20, pgs. 118-24, 1999.
	CZ	MITRA, et al., <u>Fluorescence resonance energy transfer between blue-emitting and red-shifted excitation derivatives of the green fluorescent protein</u> , GENE, vol. 173, pgs. 13-16, 1996.
↓	DA	MOCHIZUKI, et al., <u>Identification and cDNA cloning of a novel human mosaic protein, LGN, based on interaction with G<math>\alpha_{12}</math></u> , GENE vol. 181, pgs. 39-43, 1996.
NOT on file	DB	MOHLER, et al., <u>Gene expression and cell fusion analyzed by lacZ complementation in mammalian cells</u> , PROC. NATL. ACAD. SCI. USA, vol. 93, pgs. 12423-12427, October 1996.
THW	DC	MONTANO, et al., <u>The Carboxy-Terminal F Domain of the Human Estrogen Receptor: Role in the Transcriptional Activity of the Receptor and the Effectiveness of Antiestrogens as Estrogen Antagonists</u> , MOLECULAR ENDOCRINOLOGY, vol. 9, no. 7, pgs. 814-825, 1995.
	DD	NEFZI, et al., <u>The Current Status of Heterocyclic Combinatorial Libraries</u> , CHEM. REV., vol. 97, pgs. 449-472, 1997.
	DE	NICHOLS, et al., <u>Different positioning of the ligand-binding domain helix 12 and the F domain of the estrogen receptor accounts for functional differences between agonists and antagonists</u> , THE EMBO JOURNAL, vol. 17, no. 3, pgs. 765-773, 1998.
	DF	NOLTE, et al., <u>Ligand binding and co-activator assembly of the peroxisome proliferator-activated receptor-<math>\gamma</math></u> , NATURE, vol. 395, pgs. 134-143, September 10, 1998. Missing pages 139, 140, and 141.
	DG	NORRIS, et al., <u>Identification of the Sequences within the Human Complement 3 Promoter Required for Estrogen Responsiveness Provides Insight into the Mechanism of Tamoxifen Mixed Agonist Activity</u> , MOL. ENDO., vol. 10, no. 12, pgs. 1605-1616, 1996.
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TDW	DI	OLIPHANT, et al., <u>Cloning of random-sequence oligodeoxynucleotides</u> , GENE, vol. 44, pgs. 177-183, 1986.		
	DJ	OSBORNE, et al., <u>Nucleic Acid Selection and the Challenge of Combinatorial Chemistry</u> , vol. 97, pgs. 349-370, 1997.		
	DK	PAECH, et al., <u>Differential Ligand Activation of Estrogen Receptors ER<math>\alpha</math> and ER<math>\beta</math> at AP1 Sites</u> , SCIENCE, vol. 277, pgs. 1508-1510, September 5, 1997.		
	DL	PATTERSON, et al., <u>Neighborhood Behavior: A Useful Concept for Validation of "Molecular Diversity" Descriptors</u> , J. MED. CHEM., vol. 39, pgs. 3049-3059, 1996.		
	DM	PELLETIER, et al., <u>Oligomerization domain-directed reassembly of active dihydrofolate reductase from rationally designed fragments</u> , PROC. NATL. ACAD. SCI. USA, vol. 95, pgs. 12141-12146, October 1998.		
	DN	PENNISI, Elizabeth, <u>Differing Roles Found for Estrogen's Two Receptors</u> , SCIENCE, vol. 277, pg. 1439, September 5, 1997.		
	DO	RASENICK, et al., <u>Synthetic Peptides as Probes for G Protein Function</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 269, no. 34, pgs. 21519-21525, 1994.		
	DP	REHRAUER, et al., <u>Interaction of Escherichia coli RecA Protein with LexA Repressor</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 39, pgs. 23865-23873, 1996.		
	DQ	REMY, et al., <u>Erythropoietin Receptor Activation by a Ligand-Induced Conformation Change</u> , SCIENCE, vol. 283, pgs. 990-993, February 12, 1999.		
✓	DR	RINGEL, et al., <u>Clinical Implications of Genetic Defects in G Proteins</u> , MEDICINE, vol. 75, no. 4, pgs. 171-184, 1996.		
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TDW	DU	SIMON, et al., <u>Peptoids: A modular approach to drug discovery</u> , PROC. NATL. ACAD. SCI. USA, vol. 89, pgs. 9367-9371, October 1992.		
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DX	TREMBLAY, et al., <u>Ligand-independent Activation of the Estrogen Receptors <math>\alpha</math> and <math>\beta</math> by Mutations of a Conserved Tyrosine Can Be Abolished by Antiestrogens</u> , CANCER RESEARCH, vol. 58, pgs. 877-881, March 1, 1998.		
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DZ	VASAVADA, et al., <u>A contingent replication assay for the detection of protein-protein interactions in animal cells</u> , PROC. NATL. ACAD. SCI. USA, vol. 88, pgs. 10686-10690, December 1991.		
EA	WEINSTEIN, et al., <u>An Information-Intensive Approach to the Molecular Pharmacology of Cancer</u> , SCIENCE, vol. 275, pgs. 343-349, January 17, 1997.		
EB	WILLSON, et al., <u>Dissection of the Molecular Mechanism of Action of GW5638, a Novel Estrogen Receptor Ligand, Provides Insights into the Role of Estrogen Receptor in Bone</u> , ENDOCRINOLOGY, vol. 138, no. 9, pgs. 3901-3911, 1997.		
EC	WILLSON, et al., <u>3-[4-(1,2-Diphenylbut-1-enyl)phenyl]acrylic Acid: A Non-Steroidal Estrogen with Functional Selectivity for Bone over Uterus in Rats</u> , J. MED. CHEM., vol. 37, pgs. 1550-1552, 1994.		
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EXAMINER T. D. [Signature]		DATE CONSIDERED 9/18/04	
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